



- 5 x 50W Simultaneous Minimum Continuous Power into 4 / 8 ohms
- 105W, 145W, 165W IHF Dynamic Power into 8, 4 and 2 ohms, respectively
- Dolby Digital, DTS, ProLogic II, EARS and Enhanced Stereo
- 5 A/V Custom Presets store unique speaker level and tone control settings
- Direct access speaker level adjustment for surround, center and subwoofer
- Stereo Bypass
- NAD Soft Clipping™
- 6 A/V Inputs, 3 with S-Video, 2 Full Tape Loops
- Component Video, 2 Inputs and 1 Output, HDTV Compatible
- 2 Audio Inputs, 1 Tape Output
- 6 Digital Inputs, 4 Coaxial, 2 TOS Link freely assignable
- 5.1 Analogue Input (for DVD-Audio)
- Speaker A + B switching (Speakers B stereo only)
- 2 x IR Outputs, IR Input
- 2 x 12V Trigger Outputs, 12V Trigger Input
- Preamp Outputs for all 5.1 channels (2 Subwoofers)
- Amplifier Input for 3 amplifier channels
- RDS FM/AM Tuner with 30 direct access presets
- HTR-2 - 8 Device Illuminated Learning Remote with Macro function

The NAD T 743 is heir to many generations of award winning NAD designs. This exceptional pedigree is evident in both the look and the feel of the T 743, and it is unmistakable the moment you listen. Based on the highly successful T 742, the T 743 boasts improvements in virtually every area of the receiver, for a cumulative effect that is fully deserving of the new model number. Starting with a revised heat management system that reduces internal operating temperatures even under the most severe operating conditions, the T 743 includes a new volume control circuit and input switching circuit that further reduces noise and distortion. In addition, we have increased the number of digital inputs and added speaker switching for a second pair of stereo speakers. Also new are the On-Screen Display, HDTV Component Video Switching, and an illuminated learning remote, the NAD HTR-2.

Performance

Today's advanced surround sound receivers require quality in both the digital decoding stages and the analogue amplifying stages for the best overall performance. The T 743 is an excellent example of the NAD Design Team's expertise in both areas.

Using the latest high speed DSP technology, NAD was able to include the newest surround formats from Dolby and DTS, as well as including NAD's own highly regarded music surround mode, the EARS (Enhanced Ambient Recovery Circuit) circuit. Unlike the typical artificially enhanced DSP modes like "Club", "Stadium", and "Church", EARS uses DSP technology to extract the natural ambience to create surround sound from any 2 channel source inducing a warm natural reverberant effect without the artificial "BOING". Surround processing is automatically detected via the digital inputs of the T 743, and the "highest" or most advanced form of decoding is switched in. Conversion of the decoded digital bitstream

is performed with high resolution and extremely linear D/A Converters carefully selected for their performance capabilities.

NAD's reputation for producing power amplifiers that are both potent and musical is upheld in fine manner with the T 743. Boasting a minimum of 50 watts continuous power per channel, the T 743 can fill even large rooms to lifelike sound levels. With NAD's typical attention to detail in the all important power supply design, the T 743 can easily meet its power spec with all channels operating simultaneously even demanding 4 ohm designs. Many less advanced receivers resort to performance robbing protection resistors to allow the use of 4 ohm speakers.

Credit for the sound of NAD's components rests squarely with our unique design approach and our experienced and very talented design team. Most companies design their products to a technical specification and a price point. While this sounds logical enough, it does not address the way the product will actually be used by the eventual owner. You don't listen to specifications, you listen to music and sound. While NAD products exhibit excellent technical measurements, we have relied on our own ears and listening experience to determine the final design of our products. Because of our unique design approach, NAD's sound is simply more "real" sounding, adding enjoyment and excitement to your favorite films and music recordings.

Flexibility

The T 743 has all the flexibility required to serve as the command center for a sophisticated Home Theatre systems. A full suite of video switching caters to all the popular video formats (Component Video, S-Video, and Composite Video). Digital inputs are available in both coaxial and optical formats to make it easy to attach all your digital sources for playback and recording.

With the T 743, NAD has made it easy to add more speakers for listening to music in additional rooms. A second pair of speakers can simply be added to the front channel amplifiers and switched on or off from the remote control or front panel switch. There are also 12V triggers to automatically switch similarly equipped source components on and off. Thoughtful features like discrete On and Off codes, direct access to inputs and FM station presets facilitates the integration of the T 743 into elaborate remote control systems.

Preamp outputs and main amp inputs, a long standing NAD feature, allow the addition of more powerful amplifier channels and/or the reconfiguring of amplifier channels. (for example, adding a more powerful external amplifier to the front channels.)

Luxurious Simplicity

All the capability and flexibility in the world is quite useless if the receiver becomes too complicated to be operated by every member of the family. NAD has taken special measures to make the operation of the T 743 as logical and straightforward as possible. Initial system setup is best accomplished using your television monitor and the clear and simple On Screen Display (OSD), which can be configured to also give status updates as settings

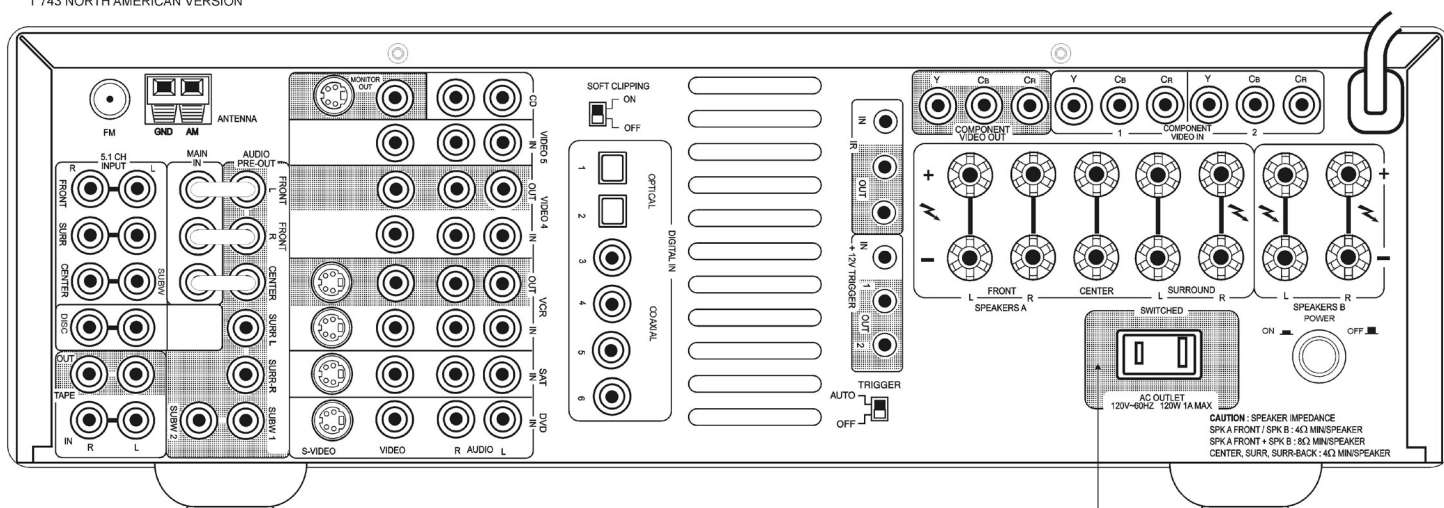
are changed in everyday use. Once the T 743 is informed of your specific system set-up, all settings are stored in a non-volatile memory making this a one time task. The front panel display indicates complete information about the source being listened to or watched including selected surround mode and volume setting. The FM tuner includes 30 favourite station presets that can be custom named, or if the station supports the Radio Data System (RDS), it will automatically stream information about the station and music being played.

Five independent "A/V Presets" can store speaker level and tone control settings for instant recall, making it easy to custom tailor your system for different types of program material. Encoded surround modes like Dolby Digital and DTS are automatically selected if the program is so encoded. The T 743 also remembers your last used settings when switched in and out of Standby mode.

The included HTR-2 remote handset is a model type that is replacing the typical remotes found for TVs, VCR's DVD players etc... . It has illuminated buttons for easy operation in low light environments. Remote commands for products not already included in the HTR-2's memory can be easily "taught" to the HTR-2. And the HTR-2's Macro function allows up to eight individual commands to be triggered by the pressing of just two keys. With this feature, all of the commands required for watching a DVD, for example, are executed automatically by the HTR-2's Macro function.

Summary

The T 743 offers remarkable performance and flexibility in a compact and simple to operate package. This multi-channel powerhouse will bring your favourite music and movies to life in your home entertainment room with an absolute minimum of fuss and a maximum of pure enjoyment.

**Amplifier Section**

| | |
|---|-----------------------|
| Power output Stereo Mode (8Ω within rated distortion) | 70W (18.45dBW) |
| IHF dynamic power; 8Ω | 105W (20.2dBW) |
| IHF dynamic power; 4Ω | 145W (21.6dBW) |
| IHF dynamic power; 2Ω | 165W (22.1dBW) |
| Simultaneous power output surround mode | 5 x 50W (16.98dBW) |
| Total harmonic distortion at rated power | 0.08% |
| IM distortion at rated power | 0.08% |
| Damping factor 8Ω | 60 |
| Input sensitivity and impedance | 400mv / 50kΩ |
| Frequency response | 5 to 20,000 Hz ±0.8dB |
| Signal/noise ratio; ref rated power 8Ω | >96dB |
| Signal/noise ratio; ref 1W / 8Ω | >80dB |
| Remote Control | Yes |

Tuner Section

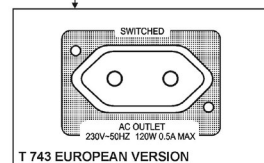
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|--------------------------------|--------------|
| Input sensitivity Mono | 16.1dBf |
| 50dB Stereo: | 36.1dBf |
| Harmonic Distortion; FM Mono | 0.25% |
| Harmonic Distortion; FM Stereo | 0.5% |
| Signal/noise; Mono | 72dB |
| Signal/noise; Stereo | 66dB |
| Stereo separation at 1kHz | 40dB |
| Frequency response; ± 1.5dB | 30Hz - 15kHz |

Video Section

| | |
|----------------------------|-------|
| Input and output impedance | 75Ω |
| Component Video Bandwidth | 50MHz |

Physical Specifications

| | |
|------------------------|--|
| Dimensions (W x H x D) | 17 1/8 x 5 3/16 x 13 3/4" (435 x 132 x 350mm) |
| Net Weight | 36 lbs (16.35kg) |
| Shipping Weight | 39 lbs (18.15kg) |





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